

## WALSH CODE ALLOCATION/DE-ALLOCATION SYSTEM

### Abstract of the Invention

A method of allocating CDMA codes from a set of the same is provided for use in connection with a wireless network. The method includes, after identifying a desired size of the code to be allocated, determining if there exists a code of the desired size whose sibling is unavailable. If such a code is found, then it is allocated. Otherwise, it is determined if there exists a code of smaller than the desired size whose sibling is unavailable. When such a code (i.e., a code of smaller than the desired size whose sibling is unavailable) is found, a descendant thereof which has the desired size is allocated.

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